

INSTALLATION OF REPLACEMENT WATER TRAP HOUSING: VA3000 SERIES

INSTALLATION PROCEDURE

1. Place the VA3000 in the standby mode, and disconnect the AC power cord from the rear panel.
2. Disconnect any data cables at the rear panel, and disconnect the exhaust line at the rear panel.
3. If applicable, disconnect the Pulse Oximeter cable and the BP cuff hose from the patient interface panel on the left side of the VA3000.
4. Disconnect the PVC sample line and remove the air filter from the water trap housing. Remove the water trap from the housing.
5. Remove the four button head screws and lockwashers securing the cover to the rear panel. See Figure 1.
6. Remove the four button head screws and lockwashers securing the cover to the bottom of the bottom of the chassis.
7. On the left side of the VA3000, pull the bottom of the cover outward far enough to clear the water trap housing while sliding the cover towards the rear of the chassis until the cover is clear of the chassis.
8. Remove the four screws and lockwashers securing the water trap housing to the gas analyzer assembly. These screws are accessible through the bottom of the VA3000 chassis as shown in Figure 2.
9. Locate the tubing from the bottom Luer fitting on the water trap housing, and disconnect the other end of this tube from the EXH port of the solenoid on the gas analyzer assembly.
10. Locate the tubing from the top rear hose barb on the water trap housing, and disconnect the other end of this tube from the T fitting.

NOTE: At this point the water trap housing should be completely disconnected from the gas analyzer assembly.

11. Remove the four screws holding the pump assembly to the gas analyzer. Note the arrangement of the mounting hardware so that it can later be re-assembled in the same manner.

INSTALLATION PROCEDURE (continued)

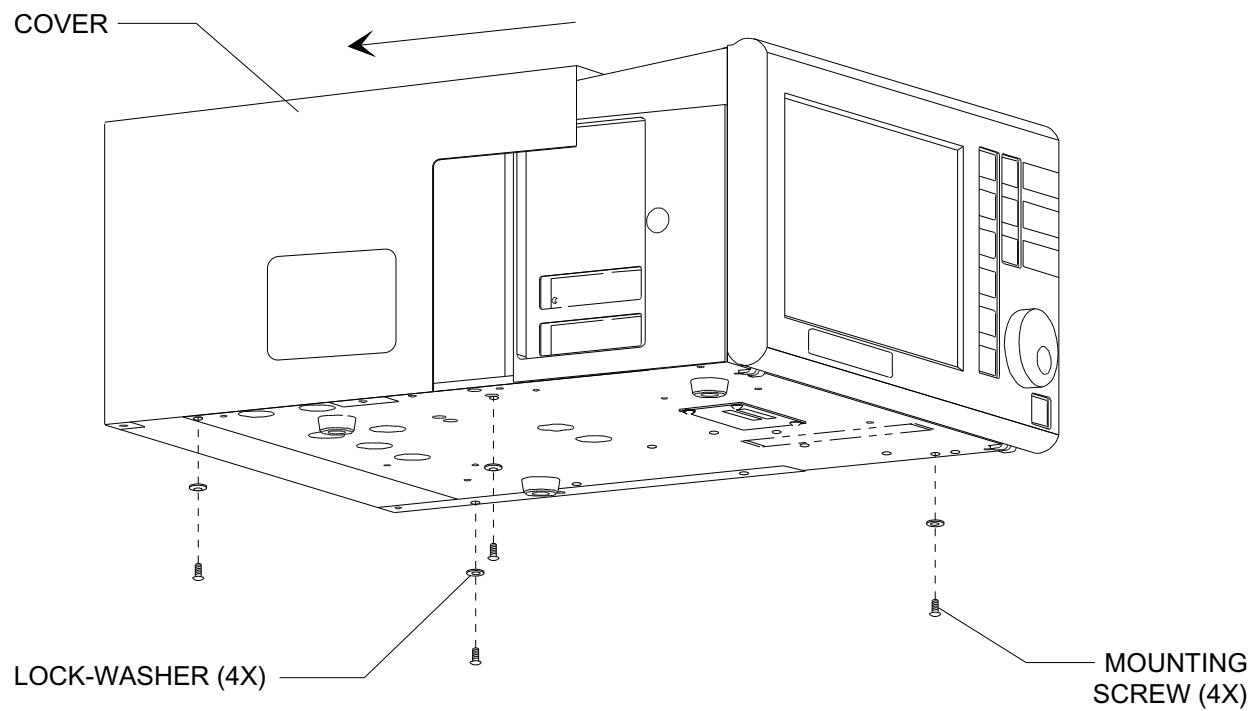
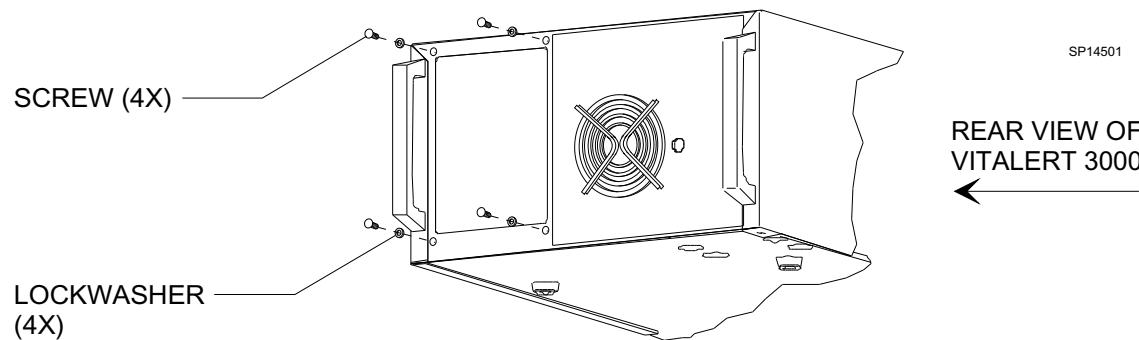


Figure 1: VITALERT COVER REMOVAL

INSTALLATION PROCEDURE (continued)

12. Disconnect and remove the tubing between the lower elbow fitting of the pump assembly and the exhaust port on the rear of the gas analyzer assembly.
13. Mount the replacement water trap housing to the gas analyzer chassis with the hardware that was previously removed.

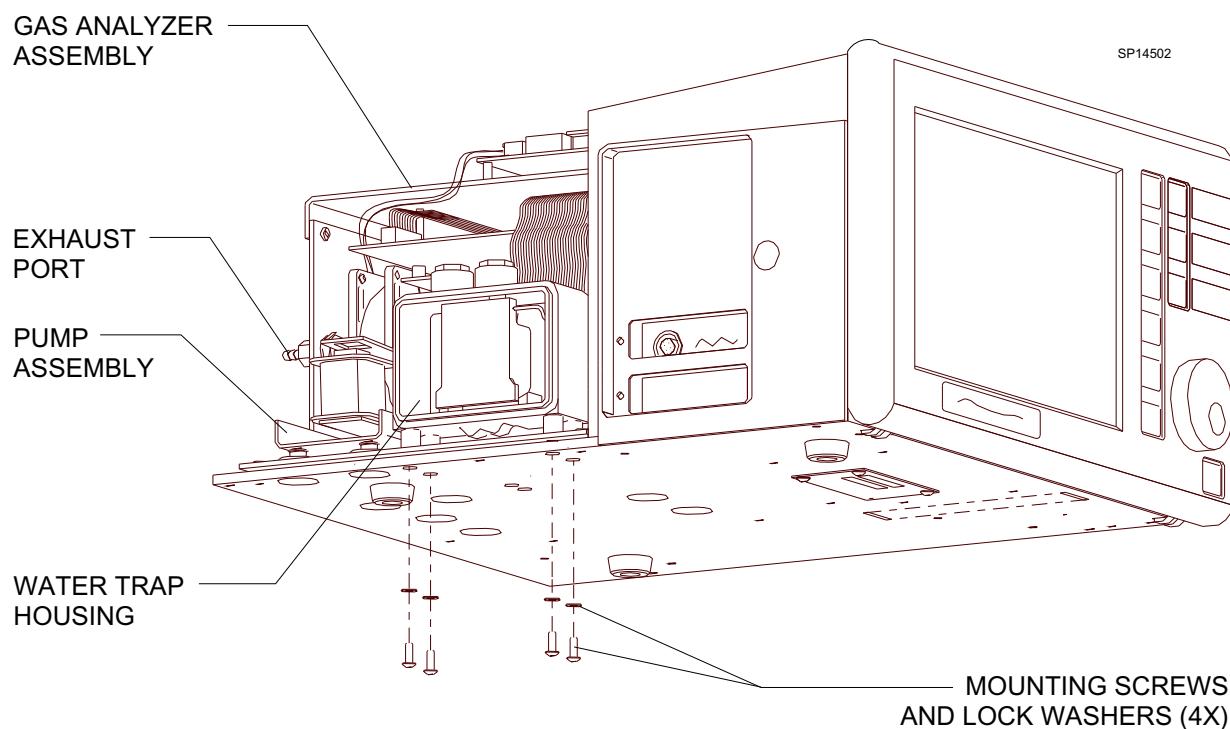


Figure 2: WATER TRAP HOUSING MOUNTING ARRANGEMENT

INSTALLATION PROCEDURE (continued)

14. Locate the large diameter tubing between the Andros PCB and the T fitting, and fit this tubing into the hose clamp on top of the water trap housing. There should be approximately $\frac{3}{4}$ in. of tubing between the clamp and the T fitting, and the open end of the T should be pointing up.
15. Connect the small diameter tubing from the top rear hose barb on the water trap housing to the open end of the T fitting.
16. Connect the tubing from the bottom Luer fitting on the water trap housing to the EXH port on the solenoid.
17. Connect the large diameter tubing from the variable flow restrictor on the water trap housing to the open elbow fitting on the pump assembly.
18. Reinstall the pump assembly on the gas analyzer chassis with the hardware that was previously removed.
19. Connect the remaining tubing from the variable flow restrictor to the exhaust port on the rear of the gas analyzer assembly.
20. Carefully slide the cover onto the VA3000 chassis; reinstall the screws and lockwashers that were previously removed (ref. Figure 1).
21. Reinstall the water trap reservoir, air filter and sample line.
22. Perform the Flow Adjustment procedure given in the *Vitalert 3000 Series Monitoring System Setup and Installation Manual*.
23. Perform a complete PMS procedure on the VA3000.

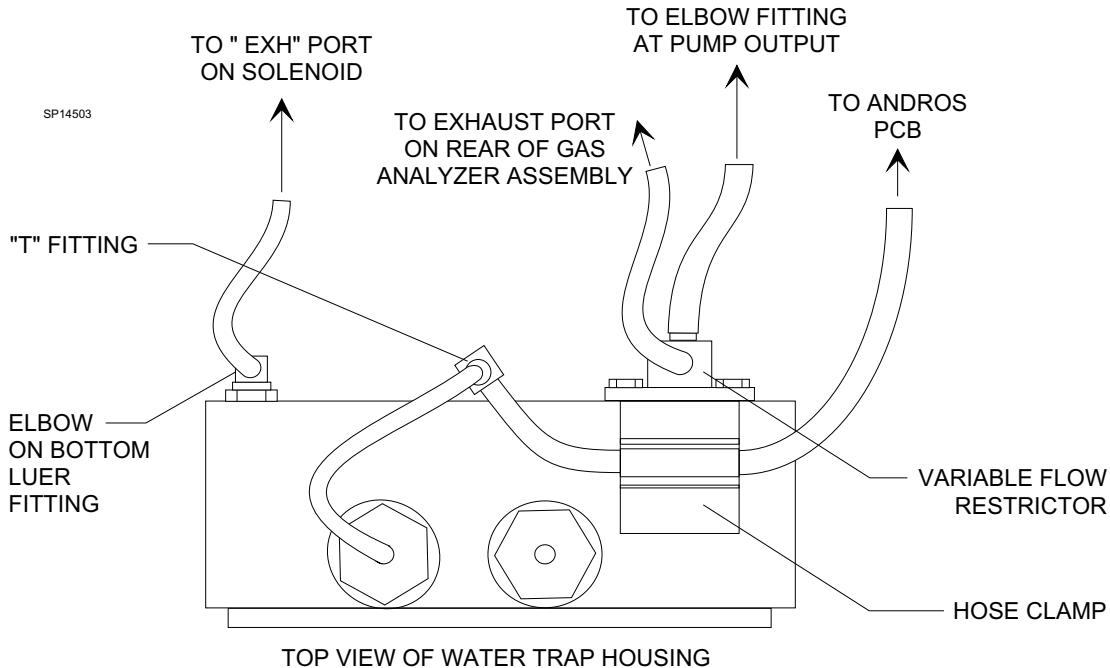


Figure 3: REPLACEMENT WATER TRAP HOUSING CONNECTIONS



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